

FIG. 1

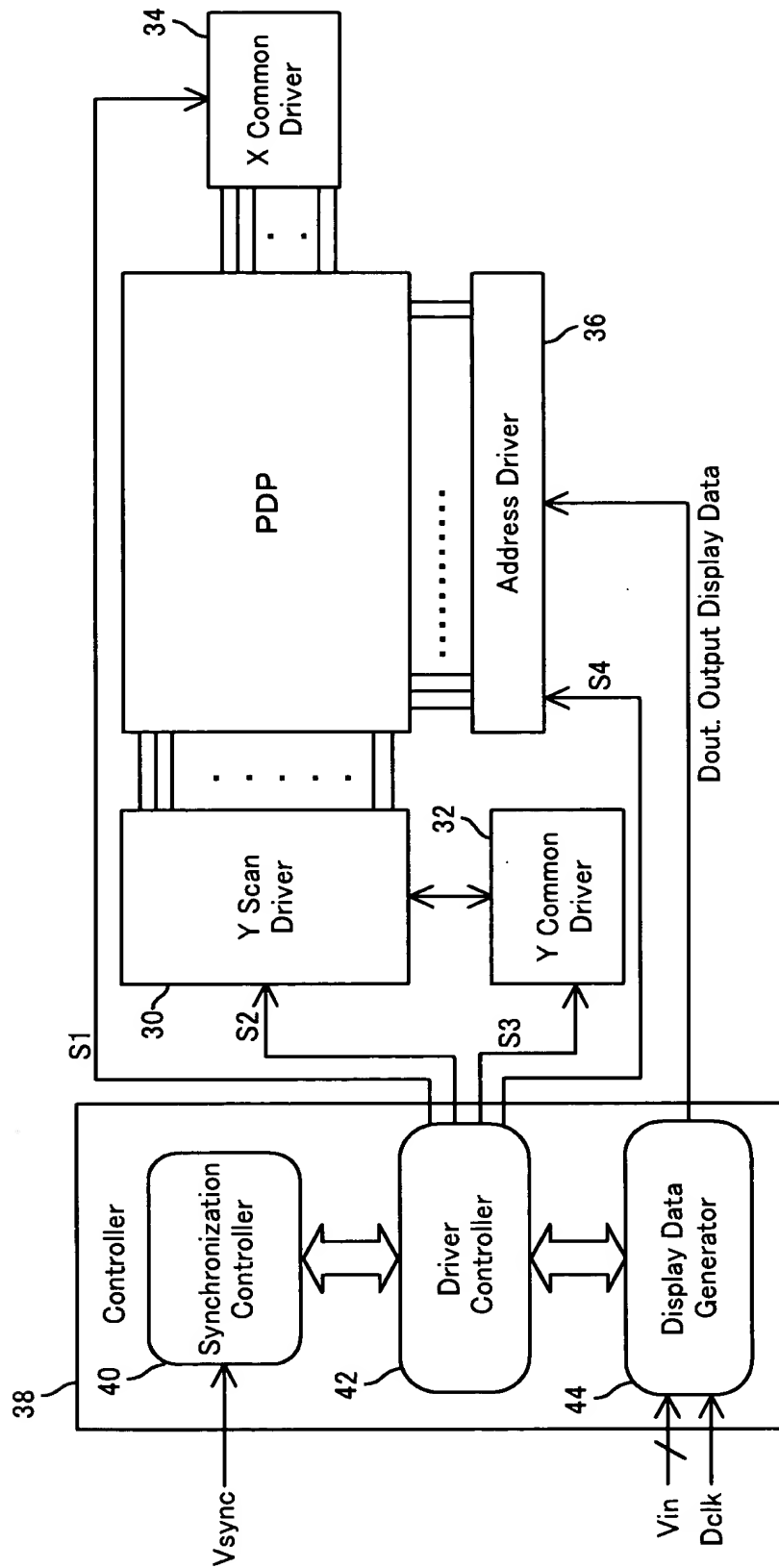
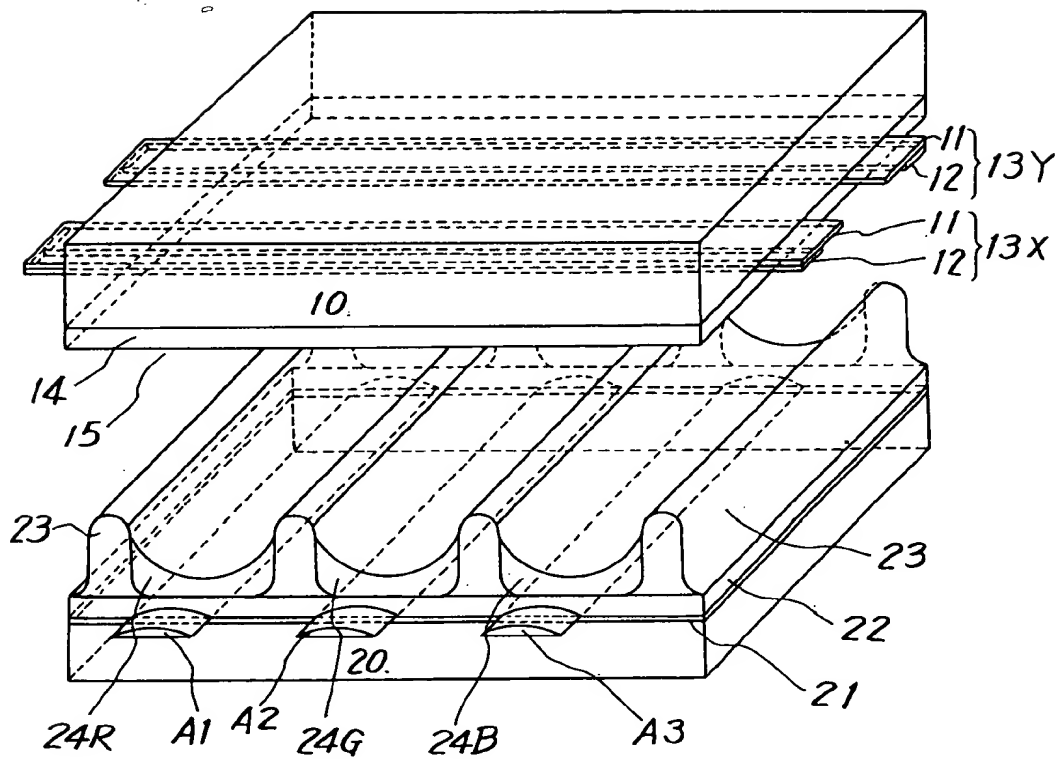


FIG. 2



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FIG. 3

Sub-frame System of Embodiment (8 + 1 Sub-frames)

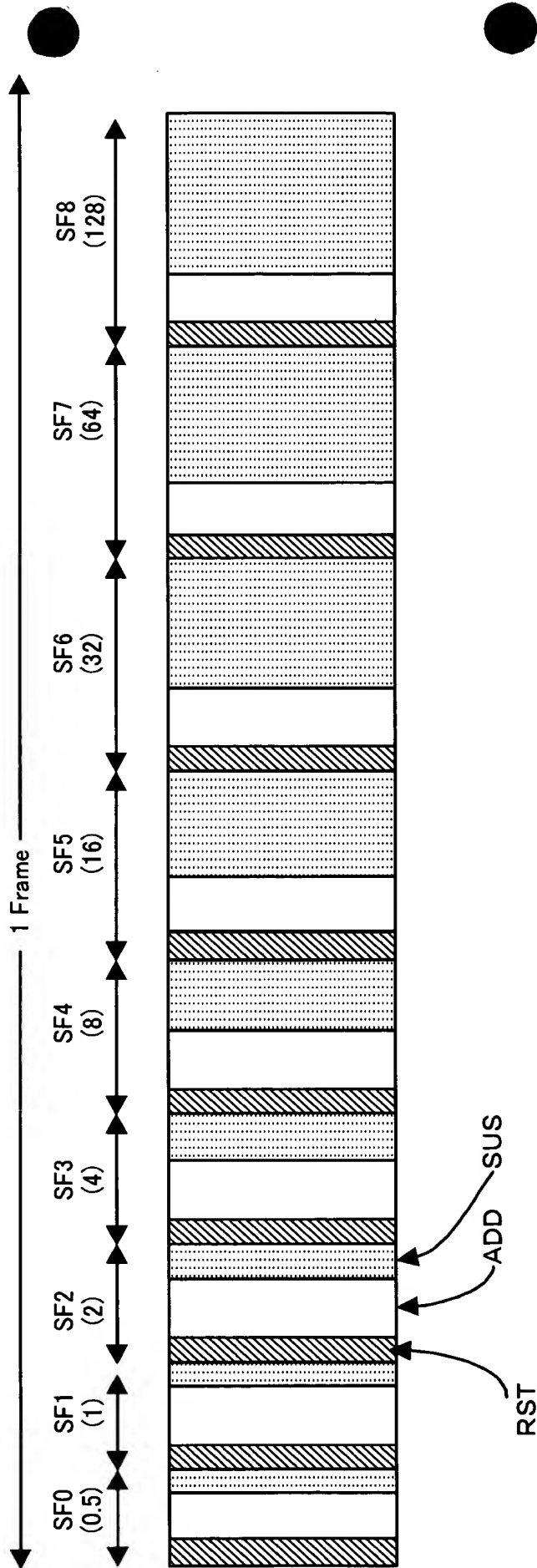
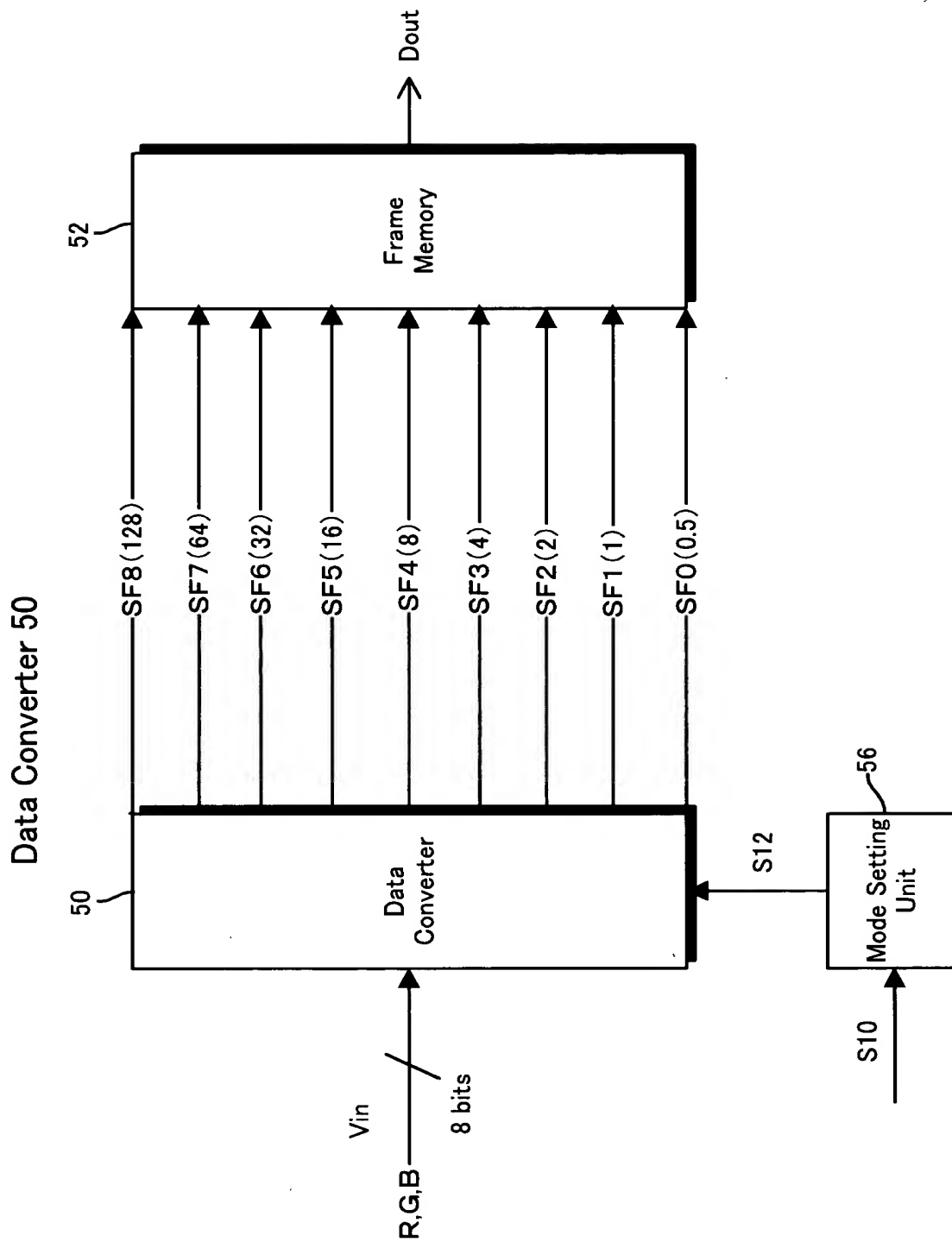


FIG. 5



Characteristics of Conversion Table

FIG. 6A

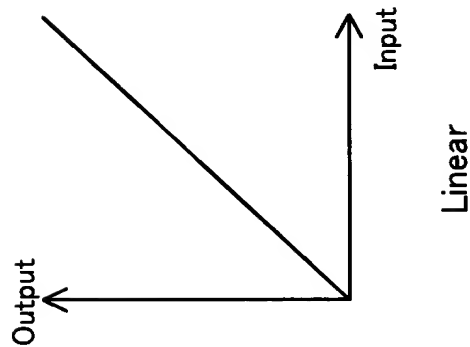


FIG. 6B

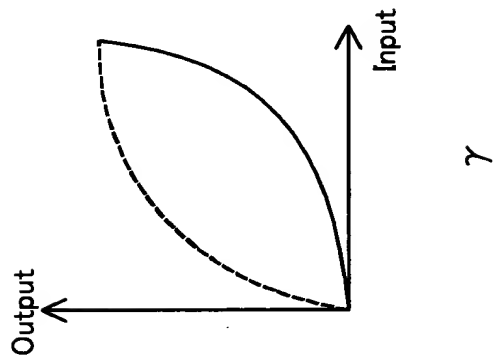


FIG. 6C

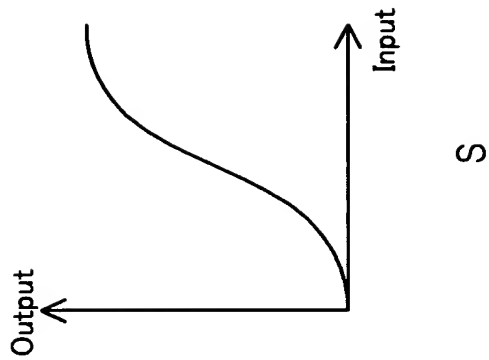


FIG. 7

Conversion Table (1)

Input Gray Scale	SF0 (0.5)	SF1 (1)	SF2 (2)	SF3 (4)	SF4 (8)	SF5 (16)	SF6 (32)	SF7 (64)	SF8 (128)	Luminance
0										0
1	1									0.5
2		1								1.0
3	1	1								1.5
4			1							2.0
5	1		1							2.5
6		1	1							3.0
7	1	1	1							3.5
8				1						4.0
121	1			1	1	1	1			60.5
122		1		1	1	1	1			61.0
123	1	1		1	1	1	1			61.5
124			1	1	1	1	1			62.0
125	1		1	1	1	1	1			62.5
126		1	1	1	1	1	1			63.0
127	1	1	1	1	1	1	1			63.5
128								1		64
129			1					1		66
130				1				1		68
131			1	1				1		70
132					1			1		72
133			1		1			1		74
134				1	1			1		76
135			1	1	1			1		78
136						1		1		80
248						1	1	1	1	240
249			1			1	1	1	1	242
250				1		1	1	1	1	244
251			1	1		1	1	1	1	246
252					1	1	1	1	1	248
253			1		1	1	1	1	1	250
254				1	1	1	1	1	1	252
255	1	1	1	1	1	1	1	1	1	255.5

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FIG. 8A

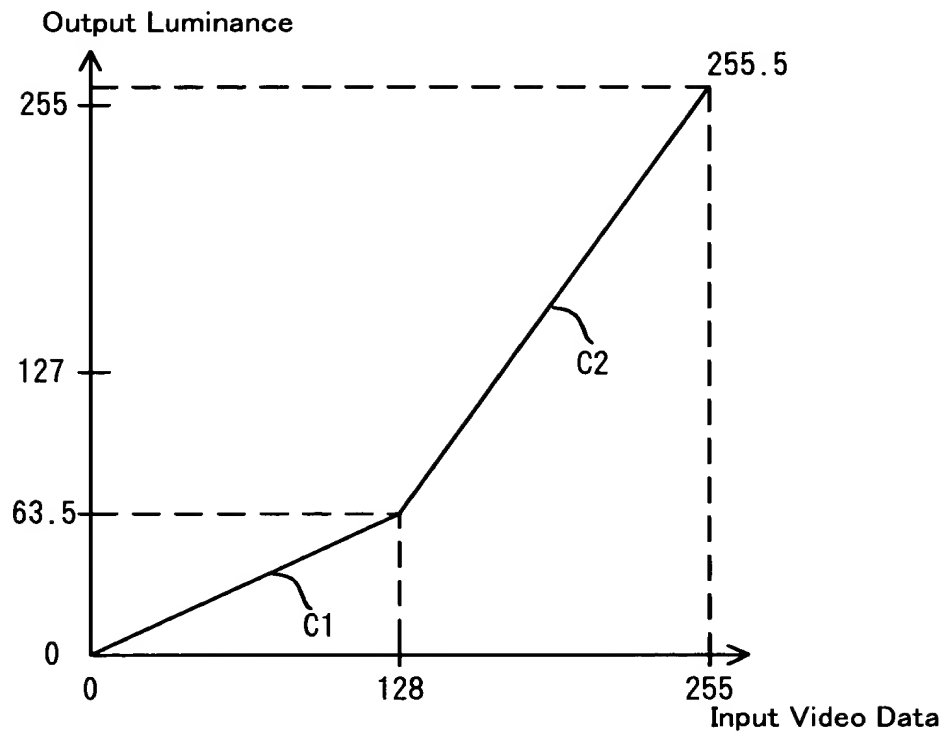


FIG. 8B

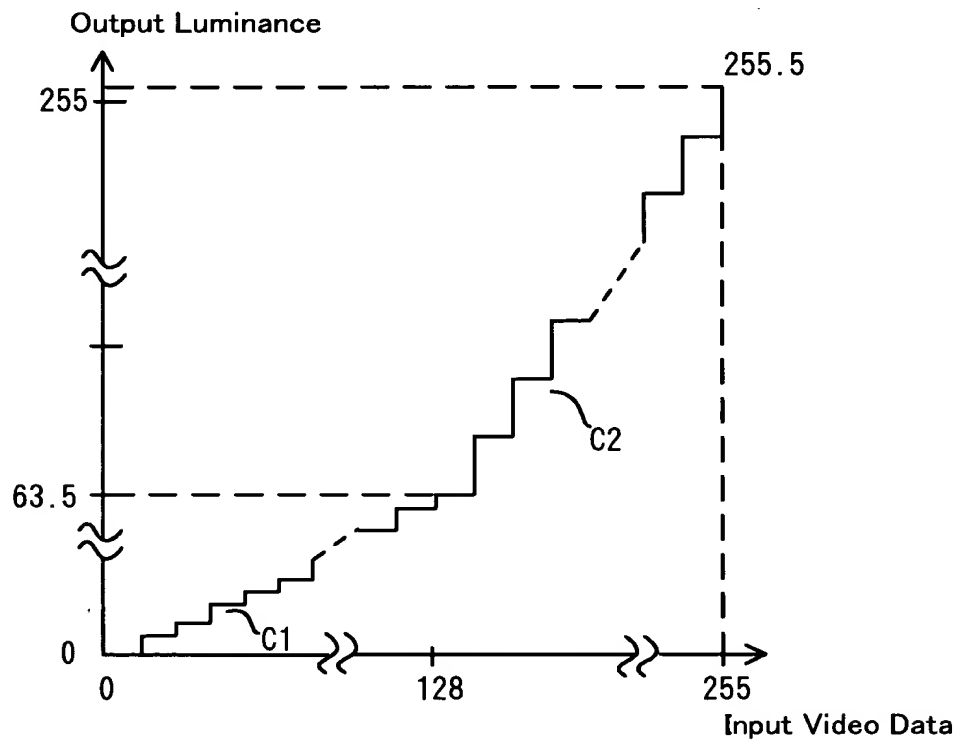


FIG. 9

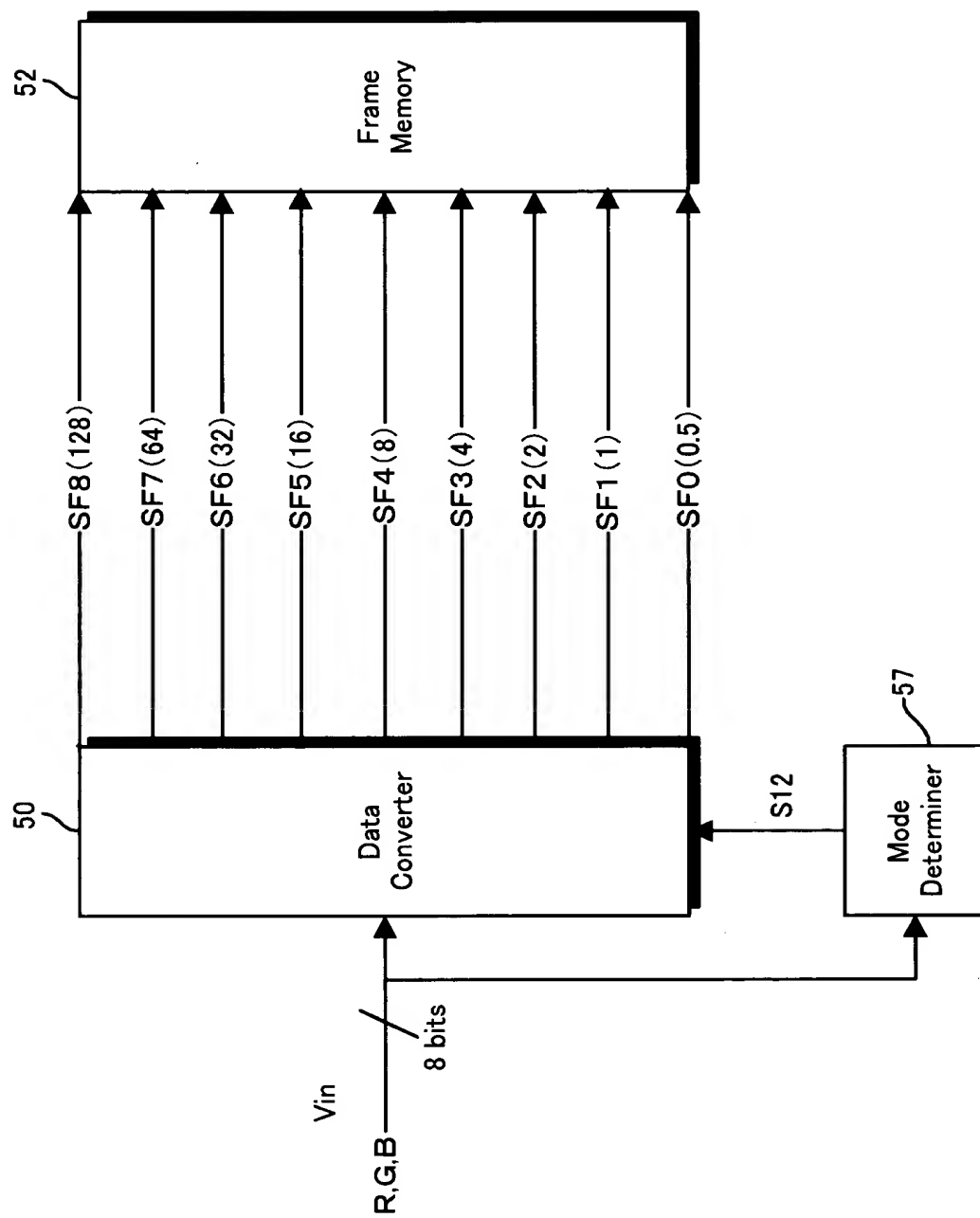


FIG. 10

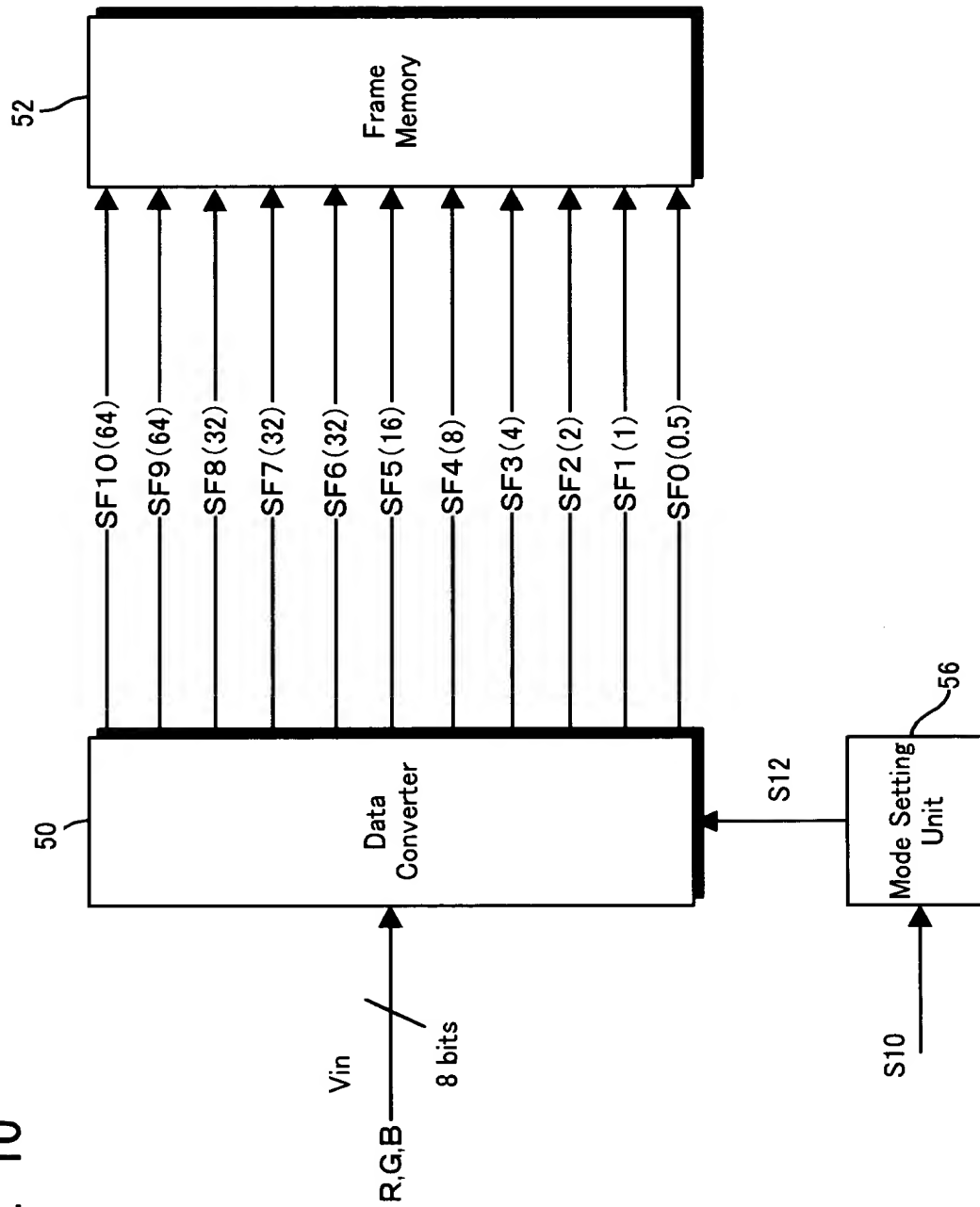


FIG. 11

Conversion Table (2)

Input Gray Scale	SF0 (0.5)	SF1 (1)	SF2 (2)	SF3 (4)	SF4 (8)	SF5 (16)	SF6 (32)	SF7 (32)	SF8 (32)	SF9 (64)	SF10 (64)	Luminance
0												0
1	1											0.5
2		1										1.0
3	1	1										1.5
4			1									2.0
5	1		1									2.5
6		1	1									3.0
7	1	1	1									3.5
8				1								4.0
121	1			1	1	1	1					60.5
122		1		1	1	1	1					61.0
123	1	1		1	1	1	1					61.5
124			1	1	1	1	1					62.0
125	1		1	1	1	1	1					62.5
126		1	1	1	1	1	1					63.0
127	1	1	1	1	1	1	1					63.5
128								1	1			64
129			1					1	1			66
130				1				1	1			68
131			1	1				1	1			70
132					1			1	1			72
133			1		1			1	1			74
134				1	1			1	1			76
135			1	1	1			1	1			78
136						1		1	1			80
248						1	1	1	1	1	1	240
249			1			1	1	1	1	1	1	242
250				1		1	1	1	1	1	1	244
251			1	1		1	1	1	1	1	1	246
252					1	1	1	1	1	1	1	248
253			1		1	1	1	1	1	1	1	250
254				1	1	1	1	1	1	1	1	252
255	1	1	1	1	1	1	1	1	1	1	1	255.5

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FIG. 12

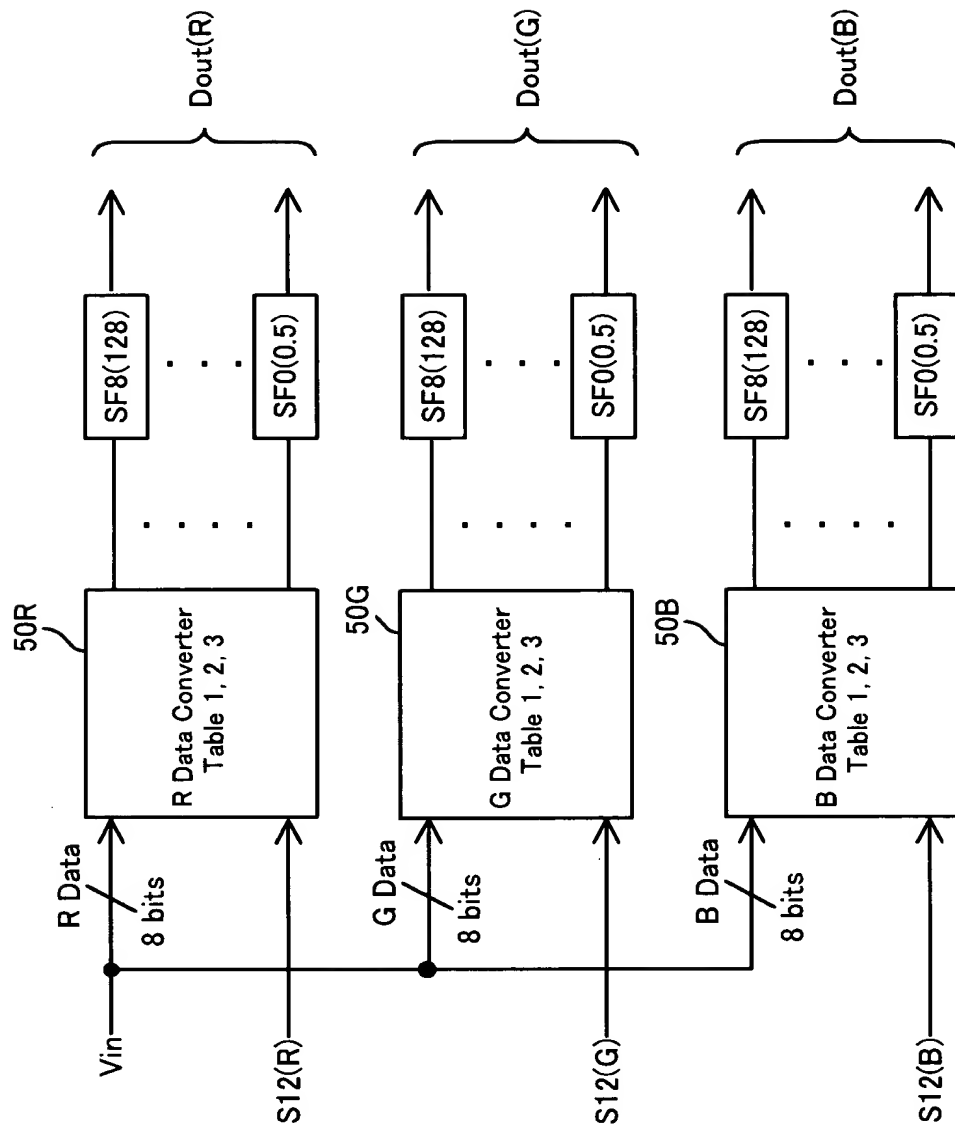


FIG. 13

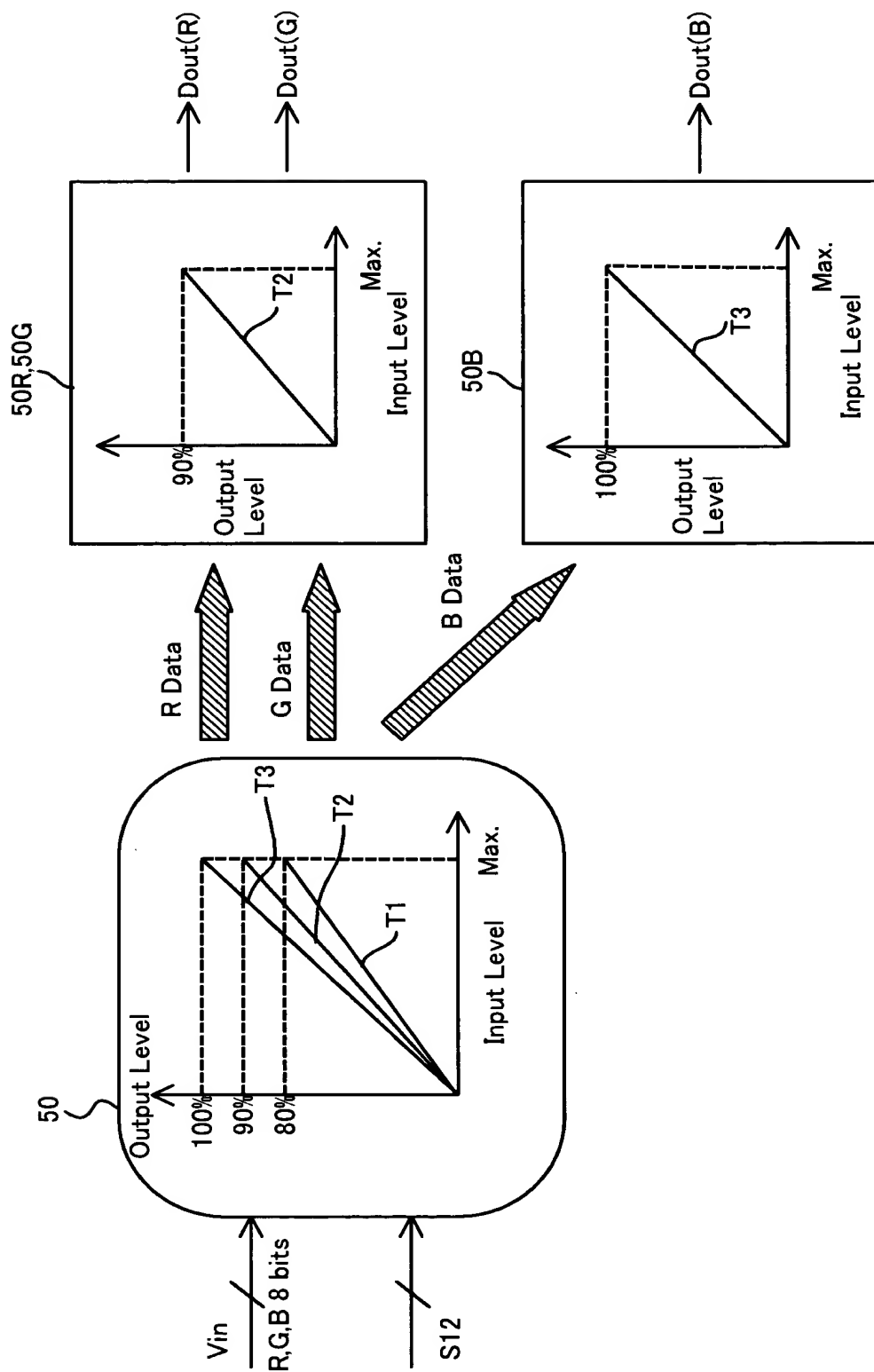


FIG. 14

Conventional Sub-frame System (8 Sub-frames)

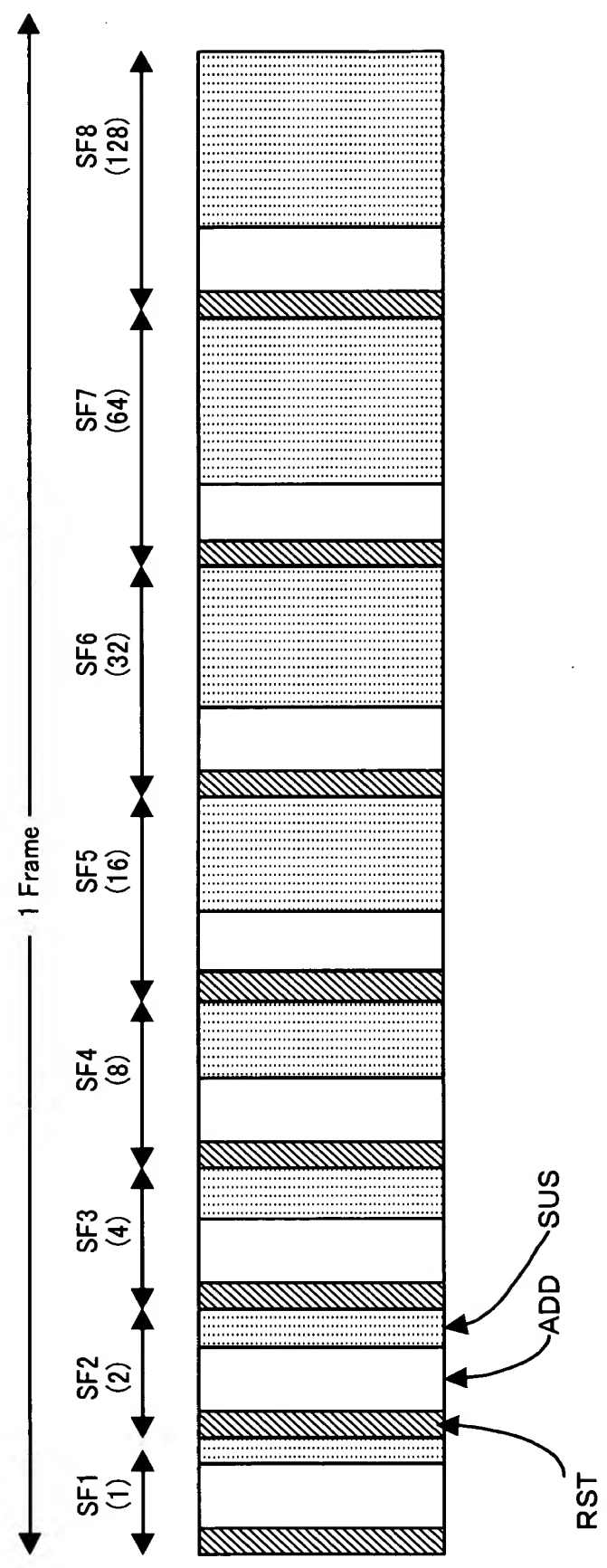


FIG. 15

Conventional Data Conversion Table

Input Gray Scale	SF1 (1)	SF2 (2)	SF3 (4)	SF4 (8)	SF5 (16)	SF6 (32)	SF7 (64)	SF8 (128)	Luminance
0									0
1	1								1
2		1							2
3	1	1							3
4			1						4
5	1		1						5
6		1	1						6
7	1	1	1						7
8				1					8
121	1			1	1	1	1		121
122		1		1	1	1	1		122
123	1	1		1	1	1	1		123
124			1	1	1	1	1		124
125	1		1	1	1	1	1		125
126		1	1	1	1	1	1		126
127	1	1	1	1	1	1	1		127
128								1	128
129	1							1	129
130		1						1	130
131	1	1						1	131
132			1					1	132
133	1		1					1	133
134		1	1					1	134
135	1	1	1					1	135
136				1				1	136
248				1	1	1	1	1	248
249	1			1	1	1	1	1	249
250		1		1	1	1	1	1	250
251	1	1		1	1	1	1	1	251
252			1	1	1	1	1	1	252
253	1		1	1	1	1	1	1	253
254		1	1	1	1	1	1	1	254
255	1	1	1	1	1	1	1	1	255

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FIG. 16A

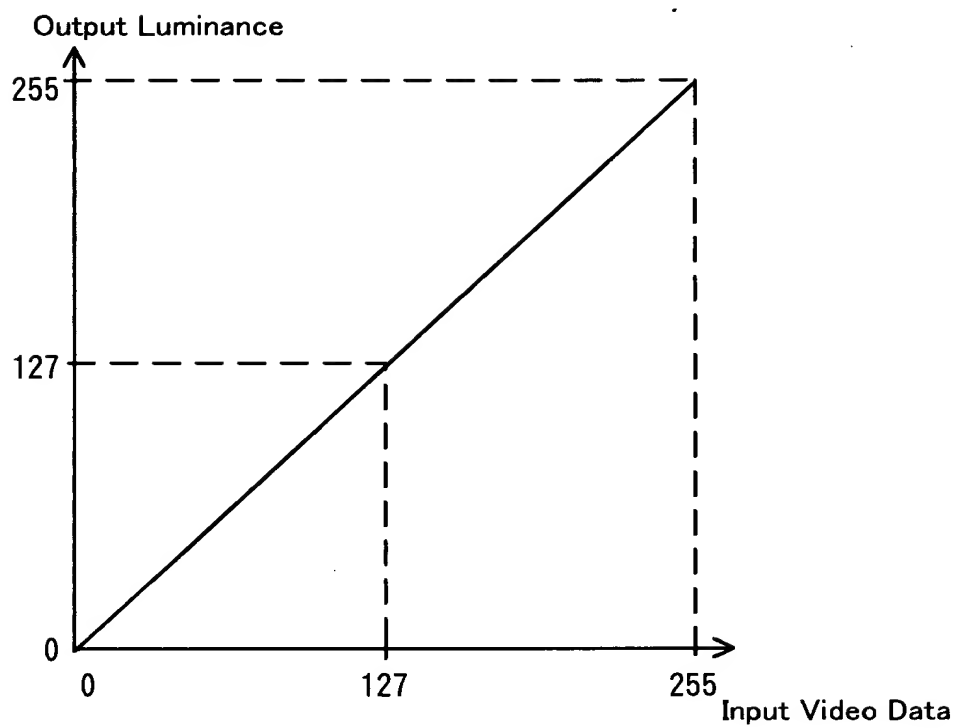


FIG. 16B

